

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

1. (Currently Amended) A method for measuring an absolute steering angle Φ of a steering shaft for a vehicle using a first rotatable body that rotates together with the steering shaft of the vehicle at a predetermined rotation ratio, the method comprising:

obtaining a measurement value Ψ_M' ~~value by measuring of~~ a relative rotational angle Ψ' of the first rotatable body using a first angle sensor having a measurement range of Ω ;

obtaining a present value for a frequency i-value of the first rotatable body by comparing the present Ψ_M' value to a previous Ψ_M' value; and

obtaining a present value for a an absolute steering angle Φ_1 of the steering shaft from a present value for an absolute rotational angle Ψ of the first rotatable body, using the Ψ_M' value and the present i-value.

2. (Currently Amended) The method according to claim 1, comprising:

obtaining a measurement value θ_M' ~~of value by measuring~~ a relative rotational angle θ' of a second rotatable body, which is rotating together with the steering shaft at a predetermined rotation ratio, using a second angle sensor having a measurement range of Ω ;

obtaining a present value for a frequency j-value of the second rotatable body by

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comparing a present θ_M' value to a previous θ_M' value; and

obtaining a present value for the absolute steering angle Φ_2 of the steering shaft from a present value for an absolute rotational angle θ of the second rotatable body, using the θ_M' value and the present j-value; and

taking a mean value of the Φ_1 and the Φ_2 .